

**AMENDMENTS TO THE CLAIMS**

1-127. (Cancelled)

128. (New) An autologous soft tissue filler comprising:

a mixture of an adipose tissue that comprises connective tissue and a concentrated population of adipose-derived cells comprising adipose-derived stem cells, wherein the amount of said adipose tissue in said autologous soft tissue filler is sufficient to correct a contour defect in a human, wherein said concentrated population of adipose-derived cells comprising adipose-derived stem cells are substantially disaggregated in said mixture and, wherein said concentrated population of adipose-derived cells comprising adipose-derived stem cells are in an amount sufficient to support prolonged survival of said autologous soft tissue filler.

129. (New) The autologous soft tissue filler of Claim 128, wherein said mixture further comprises a scaffold.

130. (New) The autologous soft tissue filler of Claim 128, wherein said mixture further comprises an immunosuppressive agent.

131. (New) The autologous soft tissue filler of Claim 128, wherein said mixture further comprises an antibiotic.

132. (New) An autologous soft tissue filler comprising:

a mixture of an adipose tissue that comprises connective tissue and a concentrated population of adipose-derived cells comprising adipose-derived stem cells, wherein the amount of said adipose tissue in said autologous soft tissue filler is sufficient to correct a contour defect in a human, wherein said concentrated population of adipose-derived cells comprising adipose-derived stem cells are substantially disaggregated in said mixture and, wherein said concentrated population of adipose-derived cells comprising adipose-derived stem cells are in an amount sufficient to promote improved vascularity of said autologous soft tissue filler.

133. (New) The autologous soft tissue filler of Claim 132, wherein said mixture further comprises a scaffold.

134. (New) The autologous soft tissue filler of Claim 132, wherein said mixture further comprises an immunosuppressive agent.

135. (New) The autologous soft tissue filler of Claim 132, wherein said mixture further comprises an antibiotic.

136. (New) A stable autologous tissue graft comprising:

a mixture of intact adipose tissue comprising connective tissue and a concentrated population of adipose-derived cells comprising adipose-derived stem cells, wherein the amount of said intact adipose tissue in said stable autologous tissue graft is sufficient to support a reconstructive tissue graft in a human, wherein said concentrated population of adipose-derived cells comprising adipose-derived stem cells are substantially disaggregated in said mixture and, wherein said concentrated population of adipose-derived cells comprising adipose-derived stem cells are in an amount sufficient to promote improved vascularity of said stable autologous tissue graft.

137. (New) The stable autologous tissue graft of Claim 136, wherein said mixture further comprises a scaffold.

138. (New) The stable autologous tissue graft of Claim 136, wherein said mixture further comprises an immunosuppressive agent.

139. (New) The stable autologous tissue graft of Claim 136, wherein said mixture further comprises an antibiotic.

140. (New) A stable autologous tissue graft comprising:

a mixture of intact adipose tissue comprising connective tissue and a concentrated population of adipose-derived cells comprising adipose-derived stem cells, wherein the amount of said intact adipose tissue in said stable autologous tissue graft is sufficient to support a reconstructive tissue graft in a human, wherein said concentrated population of adipose-derived cells comprising adipose-derived stem cells are substantially disaggregated in said mixture and, wherein said concentrated population of adipose-derived cells comprising adipose-derived stem cells are in an amount sufficient to support prolonged survival of said stable autologous tissue graft.

141. (New) The stable autologous tissue graft of Claim 140, wherein said mixture further comprises a scaffold.

142. (New) The stable autologous tissue graft of Claim 140, wherein said mixture further comprises an immunosuppressive agent.

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143. (New) The stable autologous tissue graft of Claim 140, wherein said mixture further comprises an antibiotic